SONY

DIGITAL VIDEOCASSETTE RECORDER

DVW-A500/500
DVW-A500P/500P

ANALOG COMPOSITE DECODER BOARD
BKDW-505
BKDW-506

AUDIO PROGRAM PLAY BOARD
BKDW-507

PARALLEL (50P) INTERFACE KIT
BKDW-509

CONTROL PANEL EXTENSION KIT
BKDW-510

CONTROL PANEL CASE
BKDW-511

CONTROL PANEL
BKDW-514

Digital BETACAM™

OPERATION MANUAL English

1st Edition (Revised 5)

Serial No. 10001 and Higher (DVW-A500)

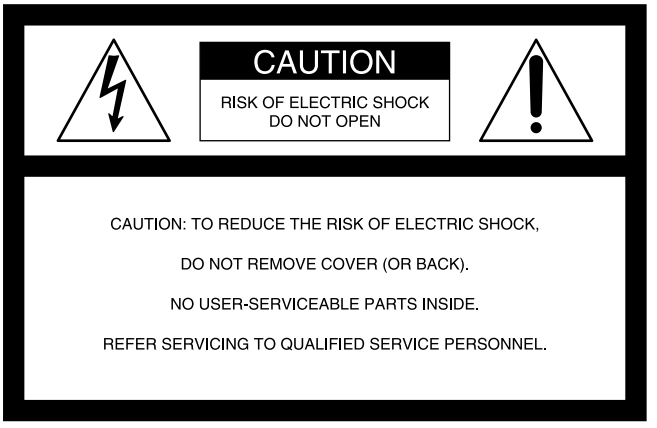
Serial No. 10001 and Higher (DVW-A500P)

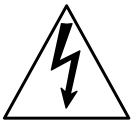
Serial No. 10001 and Higher (DVW-500)

Serial No. 10001 and Higher (DVW-500P)

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

For the customers in the United Kingdom

WARNING
THIS APPARATUS MUST BE EARTHED

IMPORTANT
The wires in this mains lead are coloured in accordance with the following code:

Green-and-yellow:	Earth
Blue:	Neutral
Brown:	Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:
The wire which is coloured green-and-yellow must be connected to the terminal in the plug which is marked by the letter E or by the safety earth symbol ⏚ or coloured green or green-and-yellow.
The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.
The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

For the customers in the USA

WARNING

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his or her own expense.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

The shielded interface cable recommended in this manual must be used with this equipment in order to comply with the limits for a digital device pursuant to Subpart B of Part 15 of FCC Rules.

WARNING: Using this unit at a voltage other than 120 V may require the use of a different line cord or attachment plug, or both. To reduce the risk of fire or electric shock, refer servicing to qualified service personnel.

For the customers in Europe (for the DVW-A500P/500P)

This product with the CE marking complies with both the EMC Directive (89/336/EEC) and the Low Voltage Directive (73/23/EEC) issued by the Commission of the European Community.
Compliance with these directives implies conformity to the following European standards:
• EN60065: Product Safety
• EN55103-1: Electromagnetic Interference (Emission)
• EN55103-2: Electromagnetic Susceptibility (Immunity)
This product is intended for use in the following Electromagnetic Environment: E4 (controlled EMC environment, ex. TV studio).

Specifications

General

Power requirements	100 to 240 VAC ±10 %, 50/60 Hz
Power consumption	DVW-A500/A500P: 540 VA (240W) DVW-500/500P: 480 VA (220W)
Peak inrush current	
	(1) Power ON, current probe method: 25A (100V), 36A (240V)
	(2) Hot switching inrush current, measured in accordance with European standard EN55103-1: 10A (230V)
Operating temperature	+5°C to +40°C (+41°F to +104°F)
Storage temperature	–20°C to +60°C (–4°F to +140°F)
Humidity	25 to 80% (relative humidity)
Mass	DVW-A500/A500P: 35 kg (77 lb) DVW-500/500P: 33 kg (73 lb)
Dimensions	427 × 237 × 520 mm (w/h/d) (16 3/4 × 9 3/8 × 20 1/2 inches)
Recording format	Digital Betacam
Tape speed	Digital Betacam: 96.7 mm/s Betacam playback: 118.6 mm/s (DVW-A500) 101.5 mm/s (DVW-A500P)
Digital record/playback time	124 minutes with BCT-D124L
Analog Betacam playback time	DVW-A500: 90 minutes with BCT-90MLA cassette DVW-A500P: 100 minutes with BCT-90MLA cassette
Fast forward/rewind time	Approx. 3 minutes with BCT-D124L
Search speed	Shuttle mode: Digital Betacam: Still to approx. ±50 times normal playback speed Betacam playback: Still to ±35 (for DVW-A500) Still to ±42 (for DVW-A500P) Variable mode: –1 to +3 times normal playback speed Jog mode: 0 to ±1 or ±3 times normal playback speed (selectable in setup menu)
Dynamic Tracking range	–1 to +3 times normal playback speed
Servo lock time	0.5 seconds or less (from standby on)
Load/unload time	6 seconds or less
Recommended tapes	Digital Betacam cassette (S, L) BCT-D6/D12/D22/D32/D40/D34L/D64L/D94L/D124L or equivalent Betacam/Betacam SP cassette (S, L) for playback with DVW-A500/A500P

DVW-A500/500
DVW-A500P/500P
(UC/EK)
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Broadcasting & Professional Systems Company

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